GUNABALAN G

Data Scientist 2

Experienced professional proficient in senior data science, AI development, and full-stack application development. Skilled in leveraging data and technology to drive innovation and solve complex problems and eager to contribute to challenging projects.

SKILLS

- Problem solving
- Developing
- Strategy/ Planning/ Architecting
- Story Telling
- Cyber security.

TOOLS/ TECH

Python

- Data Processing Algorithms
- logic optimization
- Automation on (MS Office)
- Data Structure
- API handling
- Multi-threading/ load balancing
- Full Stack development

Machine Learning/ NLP

- LLM Finetuning
- Chat Applications
- Scalable AI Model Building

SQL

- Spark, SSMS, PostgreSQL

Azure Databricks

- Modeling & Job Scheduling

Dashboarding

- Power BI (End to End)

Secondary Skills:

- GitHub, Docker, and Kubernetes Java (Full Stack), MERN Stack

COURSES DONE:

- HP Yellow Belt Lean Six Sigma

LANGUAGES:

- English (Proficient)
- Tamil (Native)
- Hindi (Basic)

FREE TIME ACTIVITIES:

- Tech blog/ book read/ practice.
- Workout and Movies

CONTACT

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LinkedIn: https://www.linkedin.com/in/gunabalan0411/

WORK EXPERIENCE

HP Inc - Data Scientist 2
Apr 2023– Present

Project: ***CX Copilot (Chat Application)***
Designed a Chat Bot Application to address inquiries concerning CX Data by conducting in-depth data analysis across various layers and mapping relevant nodes.
Role: Architectural design, End-to-end Development and Cybersecurity.
Innovation: Achieved **enhanced scalability** of domain specific GPT, enabling processing of billions of texts and numerical data rows within minutes.
Benefit: Reduced API usage costs from ***$13,000 to $235*** annually.
Other Projects: Automated E2E CX PowerBI Dashboard Implementation.

HP Inc - Data Scientist
Sept 2021 – Apr 2023

Project: ***Statistical Process Control Chart Automation***
Developed a Python automation script for analyzing data, detecting anomalies, and identifying root causes, delivering research findings to stakeholders automatically.
Role: Planning and Development.
Benefit: Save **3 Hours** of manual work per day.

Project: ***HMTC (Hierarchical Multilabel Text Classification)***
Implemented an HMTC model providing deep insights in a visually comprehensible 3-dimensional tree shape, aiding stakeholders in identifying root causes effectively.
Role: Planning and Development
Benefit: Saved **463 business days** per year.
Other Projects: Conducted 31 data analytics tasks, including Burning Platform analysis, context-based word clouds, and Python ETL automation across various databases.

HP Inc – Data Analytics Intern
Feb 2021 - Sept 2021

Project: ***Customer Obsession Gamification***
Developed an interactive 2D adventure game aimed at enhancing stakeholders' and data analysts' understanding of customer experience and fostering collaboration for its improvement.
Role: Architectural design and development
Benefit: Improved Customer Experience.

EDUCATION

College: Pondicherry Engineering College
Bachelor of Technology in Information Technology
CGPA: **9.3**/ 10.0
Project: Context Aware Multi-Domain Security System
Developed a security system that authenticates users based on contextual and environmental factors.
Role: Architectural design and Development
HSC: **95%**   ***SSLC:*** **98%**